

# ThinkPad® X120e (0596) - TopSeller

Personal Systems Reference (PSREF)

| Type-model | Processor | GHz  | Memory | Wide-screen display | Camera | Integrated graphics | Disk SATA GB <sup>9</sup> rpm | SATA optical | PCIe Mini Card WLAN | PCIe Mini Card WWAN | Carrier    | Blue-tooth | Bat-tery cells | Preload |
|------------|-----------|------|--------|---------------------|--------|---------------------|-------------------------------|--------------|---------------------|---------------------|------------|------------|----------------|---------|
| 0596-2UU   | E-350     | 1.60 | 2GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | Gobi 2000           | selectable | Blue       | 6              | Pro 64  |
| 0596-2TU   | E-240     | 1.50 | 2GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | Gobi 2000           | selectable | Blue       | 6              | Pro 64  |
| 0596-2SU   | E-240     | 1.50 | 2+1GB  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | WWAN upg            |            | Blue       | 6              | Pro 64  |
| 0596-2RU   | E-350     | 1.60 | 2GBx2  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | WWAN upg            |            | Blue       | 6              | Pro 64  |
| 0596-2PU   | E-350     | 1.60 | 2GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | WWAN upg            |            | Blue       | 6              | Pro 64  |
| 0596-2NU   | E-350     | 1.60 | 2GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | WWAN upg            |            |            | 6              | Pro 64  |
| 0596-24U   | E-240     | 1.50 | 2GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | WWAN upg            |            | Blue       | 6              | Pro 64  |
| 0596-22U   | E-240     | 1.50 | 1GBx1  | 11.6" HD            | 0.3M   | HD 6310             | 250G 5400                     | None         | TP 11b/g/n          | WWAN upg            |            |            | 3              | Prem 32 |
| 0596-2ZU   | E-350     | 1.60 | 2GBx2  | 11.6" HD            | 0.3M   | HD 6310             | 320G 7200                     | None         | TP 11b/g/n          | Gobi 2000           | selectable | Blue       | 6              | Pro 64  |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

|                                |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor          | Entry ultraportable for excellent usability and reliability; one spindle<br><b>AMD Fusion™ Processor E-240</b> with single-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 512KB L2 cache<br><b>AMD Fusion Processor E-350</b> with dual-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache | <b>Preloaded operating system</b> <sup>20</sup><br>- Some: Genuine Windows® 7 Home Premium 32<br>- Some: Genuine Windows 7 Professional 64<br><br><b>Ready to install applications</b> <sup>14</sup> (all OSes; only some listed)<br>• Rescue and Recovery™<br>• Access Connections™<br>• ThinkVantage System Update<br>• ThinkVantage Power Manager<br>• ThinkVantage Toolbox<br>• Norton™ Internet Security 2011 (30 days of virus definitions)<br><br><b>Preloaded applications</b> <sup>14</sup> (all OSes; only some listed)<br>• Adobe® Reader®<br>• Skype™ for Windows<br>• Windows Live™ Essentials<br>• Microsoft Office 2010 preloaded; purchase product key to activate |
| Memory                         | 4GB max <sup>7</sup> / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1066MHz DDR3 memory controller                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Optical SATA disk              | None (use optional USB-based optical drive)<br>Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, upgradable<br>Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm or 9.5mm high, upgradable, Active Protection System™                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Widescreen display             | <b>11.6"</b> (295mm) <b>HD (1366x768) TFT color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Camera                         | Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Graphics                       | <b>AMD Radeon™ HD 6310 graphics</b> in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display;<br><i>Maximum external resolution: 2560x1600 (VGA) @60Hz; 1920x1080 (HDMI) @60Hz(1080p)</i>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Keyboard                       | Full-size, 6-row, 89-key, spill-resistant, multimedia Fn keys                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| TrackPoint®                    | TrackPoint pointing device, Internet Scroll Bar <sup>13</sup> , magnifying glass                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Touch pad                      | UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling regions, multi-touch                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ThinkLight™                    | None                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions <sup>3</sup>        | <i>3-cell:</i> 11.1" x 7.4" x 0.6-1.2"; 282mm x 189mm x 15.6-29.5mm<br><i>6-cell:</i> 11.1" x 8.3" x 0.6-1.2"; 282mm x 210mm x 15.6-29.5mm                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Weight <sup>2</sup>            | <i>3-cell:</i> from 2.93 lb (1.33kg); <i>6-cell:</i> from 3.31 lb (1.5kg)                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Case color                     | Matte black (top)                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Case material                  | <i>Top:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic;<br><i>Bottom:</i> Magnesium alloy                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Battery - type                 | Lithium Ion 3-cell or 6-cell                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Battery - life <sup>10</sup>   | <i>3-cell:</i> up to 3 hr; <i>6-cell:</i> up to 6 hr                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chipset                        | <b>AMD A50M FCH Chipset</b>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Multicard reader               | 4-in-1 reader (MMC, SD, Memory Stick, Memory Stick Pro)                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ExpressCard                    | None                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ports                          | Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PCIe Mini Card                 | Two PCI Express Mini Card slots                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| WLAN <sup>4</sup>              | ThinkPad 11b/g/n, PCIe Half Mini Card, Realtek® chipset, 1x1                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| WWAN                           | Some: Wireless WAN upgradable<br>Some: Wireless WAN, Qualcomm® Gobi™ 2000 chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS<br>Some: User selectable carrier at first boot, AT&T, Verizon®, or Sprint®, contract required with service provider                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Modem                          | None                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Bluetooth™                     | Some: Bluetooth 3.0 wireless (requires Bluetooth 3.0 driver support)                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Ethernet                       | Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Audio support                  | High Definition (HD) Audio, Conexant CX20582 codec / stereo speakers, 1 watt x 2 / digital mono microphone, combo audio/mic jack                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Security                       | Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Security chip                  | None                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fingerprint reader             | None                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Limited warranty <sup>12</sup> | <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

See footnotes for more detailed information

US model announced May 3, 2011; previous models on February 15, 2011

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